Docket No. AUS920010487US1

ABSTRACT OF THE DISCLOSURE

FULL TRANSMISSION CONTROL PROTOCOL OFF-LOAD

A method and system for a queue identification (QI)

5   system which significantly reduces resources required to
identify a process associated with receiving an incoming
packet is provided. A QI mechanism is used as a TCP
option. During a TCP connection establishment process,
QI numbers are exchanged for both a sending port and a

10   receiving port of the connection. After the connection
is established, the destination QI's number is inserted
in a Transmission Control Protocol (TCP) header on
outbound packets.